Government of the Northwest Territories' Year 2000 preparedness

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Section

1

Introduction

Government of the Northwest Territories' Year 2000 Preparedness

What is the purpose of this report?

- The Government of the Northwest Territories (GNWT) has received numerous requests over the past year for information on its state of preparedness for the upcoming Year 2000 problem. These requests have been handled on a case by case basis up until now. It is important however, that all GNWT stakeholders become aware of the extensive effort underway by the GNWT to remediate and mitigate this problem on a timely basis. This action is necessary to ensure the uninterrupted flow of programs and services to the public – especially those services deemed 'essential'.

- This report is structured to give the reader all of the most important facts about the GNWT and the Year 2000 without getting bogged down in a lot of detail. The report is structured as follows:

  - Introduction – This section gives some background on the Year 2000 problem, its scope and magnitude, how the GNWT has and will continue to deal with it, along with information on the various players' roles and responsibilities.

  - GNWT Scorecard – This section provides a high level summary of the GNWT's Year 2000 remediation results to date. For simplicity's sake, this data is broken down into four main categories:

    - **Personal Computers** (PCs) – Hardware, software, applications and data.

    - **Local Area Networks** (LANs) – Hardware, software, applications and data.

    - **Embedded Systems** – Those microprocessors that are integral components of control systems in a variety of products.

    - **Corporate Systems** – These are primarily computer programs that go beyond the normal definition of PC or LAN applications and are deemed 'significant' systems by their owning department. Many are mainframe based with others being either client-server based or PC based.

    It should be noted that the GNWT's mainframe computer infrastructure is not identified as a separate category. This is because the Department of Public Works and Services is the department with sole responsibility for this hardware. They are reported as a special item within that department.

  - **Departmental Status Sheets** – These sections provide the same information as identified in the summary section only on a departmental basis. They also

indicate the current status of each department's Year 2000 strategy document, contingency plan, Year 2000 preparedness of key suppliers, and Year 2000 preparedness of Boards and Agencies under that department's mandate. Corporate systems for which that department is responsible are also identified individually in this section.

In essence, the problem is this: when the date changes from 1999 to 2000, computer systems and computer chips may interpret the '00' for the year 2000 as the year 1900 or simply not recognize the date at all, resulting in an unspecified error. This may cause systems to shut down, malfunction or lose important information.

In the early days of computers, to save scarce and costly space, computer programmers used only two digits whenever a date or calculation using a date was entered into a program, and the first two digits '19' were assumed.

January 1, 2000 will be the first time that this assumption will be incorrect, and many technologies are not programmed to handle this complication.

However, it is not only the year 2000 that could cause problems. The first year of the new millennium is also a leap year, and computers will also have to be prepared for February 29, 2000. There are a number of other trigger dates, such as September 9, 1999 – the ninth day of the ninth month of the 99th year. This is a potential problem as programmers used to use 9s to trigger the end of a computer cycle.

This is a complex problem and a global one. Year 2000 problems could occur in every country, at relatively the same time – except for time zone differences.

Computer systems and embedded computer chips affect all aspects of every day life. Almost everything you can think of relies on computer systems and embedded chips to function – heat, electricity, water, sewage treatment, transportation, telecommunications, food production, banks, hospitals, government services, and so on.

No one knows for certain what will be affected and to what extent, but given the global scope and complexity of the issue, it is possible that NWT residents may experience some disruptions or delays in services.

The Y2K challenge becomes even more complex when you consider how many links there are between systems within the NWT, Canada, and around the world. We rely on the same infrastructure to conduct business, receive and deliver services, make purchases, ship and receive products, heat homes and buildings, and so on.

Is it really that hard to fix?

- Unfortunately, there is no quick fix or 'silver bullet' solution for Y2K. For computer systems, each line of computer code must be searched, fixed and tested manually. Embedded chips must first be located and then tested.

- An average-sized organization can have millions of lines of code, hundreds of different computer systems and thousands of computer chips in everything from heat controls to medical equipment. Computer systems and embedded chips can also simply be replaced, though this is costly and time consuming.

- In addition, any single organization may consider itself to be ready for the Year 2000, but it must also ensure that everything it relies on – from suppliers to electricity providers – are ready too.

What is the Government of the Northwest Territories doing on the Year 2000?

- The GNWT first addressed the Year 2000 problem in the fall of 1996. At that time, an interdepartmental working committee was struck to address the Year 2000 problem. This group meets monthly to discuss progress and common issues.

- The GNWT has made the Year 2000 a top priority. The Informatics Policy Committee (IPC) assisted by the Financial Management Board Secretariat is monitoring progress across government every month, and making sure that departments are allocating the resources – people, technical and financial – to resolve the problem on a timely basis. (The Informatics Policy Committee is the GNWT's senior committee responsible for the management of the government's information systems. A copy of the IPC's mandate and its current member list is included as Appendix A immediately following this section)

- Our first priority is making sure that the services that NWT residents depend on the most – the ones affecting health, safety, security and economic well being, are ready for the Year 2000. These services – the ones we are calling 'Government-Wide Mission Critical Functions' – are services like health care, social programs, transportation services (airports etc.) and GNWT programs that either directly or indirectly affect the availability of food, clothing and shelter.

- Each Minister has responsibility for Y2K preparedness in his or her area of responsibility. For example, the Department of Health and Social Services is fixing its own computer systems and addressing the issue of computer chips in medical devices. GNWT departments and agencies are repairing and replacing the computer systems and computer chips that support the services they deliver, testing them, and developing contingency plans to make sure that 'Mission Critical' services can continue if there are problems. A table delineating the various responsibilities for Year 2000 immediately follows this section.

- The types of Information Technology (IT) systems that are being addresses through these efforts are many and varied. However, they all fall into one of several major categories. They are:

- **Personal Computers (PCs)**
  - Basic Input/Output Systems (BIOS chips)
  - Operating Systems (e.g. Microsoft Windows 95/98/NT)
  - Applications Software (e.g. Microsoft Word/Excel/Access/Outlook)
  - PC Datafiles (e.g. letters, spreadsheets, databases, presentations)
- **Local Area Networks (LANs)**
  - Basic Input/Output Systems (BIOS chips)
  - Operating Systems (e.g. Novell, Windows NT)
  - Server Based Applications (e.g. software metering, anti-virus scanners)
  - Network Datafiles (e.g. user logs, incident logs, registry information)
- **Mainframe Based Systems**
  - HP3000 based (e.g. Financial Information System, Health Information System)
- **Client-Server Based Systems**
  - HP9000 based (e.g. PeopleSoft, HR Expert)

- The GNWT decided early in the process that the most efficient use of resources would be to adopt industry 'best practices' in dealing with this problem. This would allow the GNWT to leverage the research undertaken by other agencies and would avoid having to 're-invent the wheel'. The current general strategy calls for a six-step remediation process consisting of:

  1) **Discovery** – What systems exist that may be impacted by Y2K.

  2) **Evaluation** – Checking each of these systems to determine their vulnerability to Y2K.

  3) **Correction** – Making the changes to the system necessary to correct the problem. In some instances this may involve replacing the system.

  4) **Testing** – Once the necessary corrections are made, the updated system needs to be tested for compliance. This may involve running the system on a testbed where the date is set past January 1, 2000 or running date simulation software to achieve the same result. If the system fails the testing phase, it reverts back to **Step 3** for further correction.

  5) **Contingency Planning** – As mentioned previously, all departments must be prepared to deal with unanticipated failure of 'Mission Critical' systems. This involves developing alternative ways of getting the work done, or 'work-arounds' to provide temporary fixes.

  6) **Disaster Recovery** – This step involves developing a plan to recover from the type of unanticipated failure mentioned under Contingency Planning. While Contingency Planning allows the services to continue flowing, departments must be prepared to recover the system from the failure and correct what went wrong.

- All of these above items are provided for in each department's Year 2000 Strategy document. In some instances, departments may have recruited outside expertise to assist with one or all aspects of their Y2K remediation process.

- The GNWT has also established a special interdepartmental committee to deal with embedded systems. This committee meets regularly to discuss issues and share information surrounding embedded systems.

Is the GNWT ensuring that its suppliers are ready for the Year 2000?

- Yes. The GNWT recognizes that it has a responsibility to determine whether its suppliers can demonstrate Year 2000 readiness.

- The GNWT's communications activities with businesses have emphasized the importance of business partners' readiness and the vulnerability of the supply chain.

- The GNWT is also taking advantage of the efforts of the Government of Canada in this area. For example, Public Works and Services Canada has set up an Internet site that lists the Year 2000 compliance status of over 5000 commonly used software and hardware products within government. Similar sites also exist that cover many other items – including embedded systems – that may be impacted and give their Year 2000 status.

- Individual GNWT departments have also contacted government suppliers of other products, requesting that they provide information on their Year 2000 compliance status.

Are there any other issues surrounding Year 2000?

- Yes. The GNWT is aware of several other issues associated with the Year 2000.

    - **Emergency Preparedness** – In the event of catastrophic failures resulting from the Year 2000 problem, the GNWT's Director of Emergency Services is working with agencies such as the Department of National Defence and the RCMP to develop a territorial emergency preparedness program. This includes preparing for such eventualities as a loss of power, loss of telecommunications, interruptions to food supplies and other such major emergencies. These efforts are coordinated through the Territorial Emergency Response Committee (TERC).

    - **Legal and Risk Management Issues** – The GNWT is dealing with both the legal and risk management issues surrounding the Year 2000 problem. These are being dealt with by respective experts in both of these fields in the Departments of Justice and Finance.

Table of Responsibilities

The following table shows the primary functions involved in the Government of the Northwest Territories' Year 2000 remediation process and the parties responsible for them.

Function:	Responsibility of:
Overall Planning and Management – Government-Wide Efforts	Informatics Policy Committee assisted by the Financial Management Board Secretariat
Overall Planning and Management – Departmental Efforts	Departmental Year 2000 Coordinators
Co-ordination of Year 2000 Efforts	GNWT/Departmental Year 2000 Coordinators
Government-Wide (Corporate) Systems' Compliance	Sponsor Department
Departmental Systems' Compliance	Owning Department
Embedded Systems' Compliance	Embedded Systems Committee
Suppliers' Compliance	Responsible Department
Boards and Agencies' Compliance	Sponsor Department

Explanation of Departmental Data Sheets

The Departmental Data Sheets that follow the Introduction section of this report are designed to give the reader a synopsis of that department's progress in dealing with the Year 2000 problem to date. The following is a brief explanation of each of the sections.

Strategy and Other Documents

- The purpose of this section is to indicate whether or not each department has all of its documentation in place along with the status of each document (i.e. is the document current? – have suppliers been contacted? – what Boards and Agencies is the department responsible for and what is their status?)

LAN and Desktop Systems

- This section provides a straightforward numerical accounting of the status of each department's Local Area Network and Desktop PC systems. When referring to either Operating Systems or Application Software, the number provided is not the number of licences within each department, but rather the number of different products (and versions of these products) in everyday use. Embedded Systems are difficult to quantify therefore this line will either give an estimate of the number of embedded systems within that department, or a brief description of the overall status of each department's efforts in this area.

Corporate Systems

- This section provides a brief overview of the "corporate" systems within each department and indicates:
    - The system name or acronym – Detailed descriptions of each of these systems and their functions are provided in **Section 4** of this document.
    - The hardware/software platform on which the system operates.
    - Whether or not the system is deemed "mission critical"
    - Whether or not the system is scheduled for replacement before December 31st, 1999.
    - Whether or not the system is Year 2000 compliant.
    - Whether or not testing of the system's Year 2000 compliance has been completed. Testing is not considered complete until such time as the software has been successfully run on a Year 2000 testbed system.

Note: A status of N/A indicates that this item is Not Applicable in the instance given.

Where can I get more information?

For more information on the Government of the Northwest Territories' overall Year 2000 project, please contact:

Year 2000 Coordinator
Information Management
Financial Management Board Secretariat
Government of the Northwest Territories
Box 1320, Yellowknife N.T. X1A 2L9
Phone: (867) 920-8962
Fax: (867) 873-0128
E-mail: y2kcontact@gov.nt.ca

Or visit our website at: http://www.gov.nt.ca/FMBS/issues/y2k080299.html

For more information on specific departments' Year 2000 projects, the following is a list of departmental contacts:

Name	Department	Phone	Email Address
Don Plunkett	Education Culture and Employment	(867) 873-7454	Don_Plunkett@gov.nt.ca
Stan Hotte	Executive/IAA	(867) 873-7126	Stan_Hotte@gov.nt.ca
Bill Setchell	Finance	(867) 873-7158	Bill_Setchell@gov.nt.ca
Rick Wind	Financial Management Board Secretariat	(867) 920-6432	Rick_Wind@gov.nt.ca
Donnalee Thompson	Health and Social Services	(867) 920-6191	Donnalee_Thompson@gov.nt.ca
Glen Horncastle	Justice	(867) 873-7233	Glen_Horncastle@gov.nt.ca
Dwayne Timmons	Legislative Assembly	(867) 669-2216	Dwayne_Timmons@gov.nt.ca
Gay Kennedy	Municipal and Community Affairs	(867) 873-7613	Gay_Kennedy@gov.nt.ca
Terry Gelinas	NWT Housing Corporation	(867) 873 7865	Terry_Gelinas@gov.nt.ca
Steve Lewis	Public Works and Services	(867) 873-7506	Steve_Lewis@gov.nt.ca
Chris Engelhardt	Resources, Wildlife and Economic Development	(867) 920-8663	Chris_Engelhardt@gov.nt.ca
John Herter	Transportation	(867) 920-8855	John_Herter@gov.nt.ca

What is the Informatics Policy Committee?

On February 10th 1993, the Financial Management Board of the GNWT approved the GNWT's Informatics Strategy. One of the important elements of the strategy was the creation of an Informatics Policy Committee (IPC) to oversee all aspects of information management within the GNWT, as set out in the IPC's mandate.

The current IPC is comprised as follows:

Chair: Secretary to the Financial Management Board

Member: Deputy Minister of Justice

Member: Deputy Minister of Health and Social Services

Member: Deputy Minister for Education, Culture and Employment

Member: Deputy Minister for Public Works and Services

The IPC's role and mandate is as follows:

The Informatics Policy Committee evaluates and coordinates all Government-wide informatics initiatives. Within the direction provided by the Financial Management Board, the Informatics Policy Committee implements the overall direction of GNWT information and information technology management.

Informatics projects and information management processes are overseen at both the Government and the department/ board/ agency level. For the Government level, the Informatics Policy Committee evaluates and approves all Government-wide informatics initiatives.

Government-wide initiatives are those projects that involve some or all departments/ boards/ agencies. Examples of these include the infrastructure projects that provide the base for information processing and the shared systems that are commonly accessed by many department/ board/ agency users, including resource management systems. These projects are characterized by mutual information needs and result in benefits to all participants.

Projects may be identified as Government-wide on the basis of additional factors, such as:

- the degree of impact on Government wide benefits;
- the degree of impact on clients, organizations or employees;
- the dependence of programs and users in other;
- the transferability of the system or information to other areas; and
- the number of departments/ boards/ agencies, or users.

The Informatics Policy Committee sets the overall direction for GNWT information and information technology management. The Committee is a subset of the Senior Management Committee and is composed of Deputy Ministers. The committee is representative of stakeholders and includes as a minimum:

- the Secretary of the Financial Management Board (Chair);
- the Deputy Minister, Public Works and Services;
- the Deputy Minister, Education, Culture and Employment; and
- two other Deputy Minister or equivalents on a rotational basis.

Input and participation from those who are not members of the Senior Management Committee is arranged as necessary.

The Informatics Policy Committee mandate is to:

- assess potential impacts on the GNWT, evaluate priorities and define policy;
- coordinate the allocation of sponsors to projects;
- evaluate security requirements;
- monitor project progress and implementation; and
- approve information and technology standards and guidelines.

Section
2

GNWT Consolidated Data

GNWT Summary of Year 2000 Preparedness

Item	Units	# Compliant	% Compliant	Latest Completion Date
Local Area Networks				
File Servers	139	115	83%	August 1st, 1999
Network Operating Systems	27	24	89%	June 30th, 1999
Applications	104	72	69%	September 1st, 1999
Datafiles	483,503	413,085	85%	October 31st, 1999
Personal Computers				
Personal Computers	2,126	1,817	85%	January 1st, 2000
Operating Systems	26	23	88%	October 31st, 1999
Applications Software	107	61	57%	October 31st, 1999
Data files	354,677	315,000	89%	September 1st, 1999
Embedded Systems	640	628	98%	August 31st, 1999
Corporate Systems	120	97	81%	January 1st, 2000

Year 2000 Compliance Data by Department

Item	Status and Comments
Department's Year 2000 Strategy	No data
Department's Contingency Plan	No data
List of Suppliers	N/A
List of Boards and Agencies	N/A

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	2	2	100%	
Network Operating Systems	2	2	100%	
Applications	5	3	60%	August 31st, 1999
Datafiles	0	0	No data	August 31st, 1999
Printers	2	2	100%	
Other Peripherals	0	0	N/A	
Personal Computers				
Personal Computers	50	30	60%	August 31st, 1999
Operating Systems	50	20	47%	August 31st, 1999
Applications Software	15	13	86%	August 31st, 1999
Data files	0	0	No data	August 31st, 1999
Printers	27	27	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	4	4	100%	

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing

The Legislative Assembly has no corporate systems.

Executive

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	Included in strategy
List of Suppliers	Will be contacted over the summer
List of Boards and Agencies	Status of Women Secretariat – Compliant Public Utilities Board – Will be contacted in April to determine status

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	4	4	100%	
Network Operating Systems	1	1	100%	
Applications	0	0	No data	September 1st, 1999
Datafiles	0	0	No data	September 1st, 1999
Printers	18	18	100%	
Other Peripherals	0	0	N/A	September 1st, 1999
Personal Computers				
Personal Computers	106	103	97%	August 31st, 1999
Operating Systems	2	1	50%	August 31st, 1999
Applications Software	4	4	100%	
Data files	0	0	No data	September 1st, 1999
Printers	14	14	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	N/A	

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
The Department of the Executive has no corporate systems						

Financial Management Board Secretariat

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	Included in strategy
List of Suppliers	Complete and current – compliance being verified
List of Boards and Agencies	N/A

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	17	15	88%	June 1st, 1999
Network Operating Systems	2	2	100%	
Applications	12	12	100%	
Datafiles	14,418	0	0%	July 1st, 1999
Printers	33	33	100%	
Other Peripherals	1	1	100%	
Personal Computers				
Personal Computers	217	214	99%	June 1st, 1999
Operating Systems	2	2	100%	
Applications Software	13	11	85%	August 31st, 1999
Data files	0	0	In progress	August 31st, 1999
Printers	30	30	100%	
Other Peripherals	1	1	100%	
Embedded Systems	0	0	N/A	

Financial Management Board Secretariat (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
Contract Report Database	PC	No	No	Complete	Yes	
Corporate GSN	HP3000	Yes	No	Complete	Yes	
FIS	HP3000	Yes	No	Complete	Yes	
GHRS	HP3000	Yes	Yes Peoplesoft	Complete	Yes	
HRIS	HP3000	Yes	Yes Peoplesoft	Complete	Yes	
GHRS Database	PC	Yes	Yes Peoplesoft	Complete	Yes	
ECD	PC	Yes	Yes Peoplesoft	Complete	Yes	
IDEA	PC	No	No	Complete	Yes	
CAPS	HP3000	Yes	No	Unknown	Unknown	Pending
HR Expert	PC	No	No	Complete	Yes	
Peoplesoft	HP9000	Yes	No	Complete	Yes	

Source: Financial Management Board Secretariat As of: April 28th, 1999

Finance

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	Included in strategy
List of Suppliers	Complete and current – all compliant
List of Boards and Agencies	Only one – has no computers

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	5	3	60%	June 30th, 1999
Network Operating Systems	3	2	67%	June 30th, 1999
Applications	0	0	N/A	
Datafiles	0	0	N/A	
Printers	6	6	100%	
Other Peripherals	0	0	N/A	
Personal Computers				
Personal Computers	28	28	100%	
Operating Systems	3	3	100%	
Applications Software	5	5	100%	
Data files	0	0	In progress	August 31st, 1999
Printers	0	0	N/A	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	N/A	

Finance (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
Claims	PC - Access	No	No	Complete	Yes	Complete
Corporate Income Tax	PC - Access	No	No	Complete	Yes	Complete
DMS	PC – Dbase IV	No	No	Complete	Yes	Complete
DSLP	PC - Access	No	No	Complete	Yes	Complete
FTS	PC - Access	No	No	Complete	Yes	Complete
PATA	HP3000	No	Yes	Complete	Yes (after replacement 31/12/1999)	Complete
PTS	PC - Access	No	No	Complete	Yes	Complete
Payroll Tax Database	PC - Access	No	No	Complete	Yes	Complete
Personal Income Tax Model	PC - Access	No	No	Complete	Yes	Complete
Property Tax Database	PC - Access	No	No	Complete	Yes	Complete
Tactical Forecast	Excel	No	No	Complete	Yes	Complete
TMIS	PC - Access	No	Yes (31/7/1999)	Complete	Yes	Complete
T-STAT	Mac – 4th Dimension	No	No	Complete	Yes	Complete
TTS	PC - Access	No	No	Complete	Yes	Complete
SENTAI	No Data	Yes	No	Complete	Yes	Complete
Credit and Collection Query System	PC - Access	No	No	Complete	Yes	Complete

Source: Department of Finance

As of: April 28th, 1999

Municipal And Community Affairs

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	Included in strategy
List of Suppliers	List complete and current – all compliant
List of Boards and Agencies	NWT Association of Municipalities has a consultant checking compliance

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	11	11	100%	
Network Operating Systems	1	1	100%	
Applications	2	2	100%	
Datafiles	4085	4085	100%	
Printers	15	15	100%	
Other Peripherals	1	1	100%	
Personal Computers				
Personal Computers	140	140	100%	
Operating Systems	3	3	100%	
Applications Software	6	6	100%	
Data files	0	0	N/A	(All datafiles kept on network)
Printers	15	15	100%	
Other Peripherals	3	3	100%	
Embedded Systems	0	0	N/A	

Municipal and Community Affairs (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
Budget Allocation System	PC	Yes	No	Complete	Yes	
MAPROD	HP3000	Yes	Yes	Complete	No	
PROVAL	PC	Yes	No	Complete	Yes	
MMOS	PC	No	No	Complete	Yes	
CFPPROD	HP3000	Yes	Yes	Complete	Yes	
CAPDEP	PC	Yes	No	Complete	Yes	
Community Land Information System	PC	No	Probable	No	Unknown	
COFIRES	PC	No	No	Complete	Yes	

Source: Department of Municipal and Community Affairs As of: April 28th, 1999

Transportation

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	Complete and current
List of Suppliers	No data
List of Boards and Agencies	No data

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	10	0	0%	June 11th, 1999
Network Operating Systems	3	3	No data	June 11th, 1999
Applications	0	0	No data	June 11th, 1999
Datafiles	0	0	No data	June 11th, 1999
Printers	0	0	No data	June 11th, 1999
Other Peripherals	0	0	No data	June 11th, 1999
Personal Computers				
Personal Computers	154	0	No data	June 11th, 1999
Operating Systems	0	0	No data	June 11th, 1999
Applications Software	0	0	No data	June 11th, 1999
Data files	0	0	No data	June 11th, 1999
Printers	0	0	No data	June 11th, 1999
Other Peripherals	0	0	No data	June 11th, 1999
Embedded Systems	0	0	No data	September 19th, 1999

Transportation (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
AMMS	PC	Yes	No Data	Complete	Yes	Complete
COMMS & Quicken	PC	Yes	Yes – COMMS to be replaced entirely with Quicken	Complete	COMMS - No Quicken - Yes	N/A
MANAGAIR	PC	Yes	No	Complete	Yes	Complete
HOMMS	PC	No	No	No	Unknown	Incomplete
MVIS	HP3000	Yes	No	Complete	Yes	Incomplete
PASS	PC	Yes	New system to be installed May 1999	Complete	Yes	Complete
AIRS	PC	Yes	No	Complete	Yes	Complete
DMS	PC	Yes	No	Complete	Yes	Complete
APMS	PC	Yes	No	Complete	Yes	Complete
Inventory	PC	Yes	No	Complete	Yes	Complete

Source: Transportation

As of: April 28th, 1999

Public Works And Services

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Not formally created
Department's Contingency Plan	Action Plan – Embedded Systems
List of Suppliers	See Note #1
List of Boards and Agencies	N/A

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	14	14	100%	
Network Operating Systems	2	2	100%	
Applications	1	1	100%	
Datafiles	N/A	N/A	N/A	See Note #2
Printers	20	20	100%	
Other Peripherals	1	1	100%	
Personal Computers				
Personal Computers	200	190	95%	December 31st, 1999
Operating Systems	3	3	100%	
Applications Software	4	4	100%	
Data files	N/A	N/A	N/A	See Note #2
Printers	50	50	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	640	628	98%	August 31st, 1999 (See Note #3)

Public Works and Services (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
CAMS	HP3000	Yes	No	Complete	Yes	Complete (See Note #4)
CENDEC	FoxPro	Yes	No	Vendor Certified	Yes	Complete
PPD	HP3000	Yes	No	Complete	Yes	In progress (See Note #5)
RIMS	Unix/Oracle	Yes	No	Vendor Certified	Yes	N/A
RFIS	HP3000	Yes	No	Yes	No	See Note #9
TEBS	HP3000	Yes	Yes	Yes	No	See Note #6
AMANDA	Unix/Oracle	Yes	No	Vendor Certified	Yes	N/A
PASSMAN	HP3000	Yes	No	Yes	Yes	See Note #7
OpenDesk	HP	Yes	Yes (OpenMail)	Yes	No	See Note #8

Source: Department of Public Works and Services As of: April 23rd, 1999

Additional Comments for Public Works and Services:

- **HP3000s** – Final patches for compliance received for all systems and will be installed by May 1st, 1999.
- **HP9000s** – Fully compliant.
- **HP Y2K Checking Software** – being purchased.
- **HP3000 Testbed** – An HP3000 will be freed up as a result of upgrades and dedicated exclusively for Y2K testing beginning April 30th, 1999.
- **Routers: Bay Networks and Gandalf** – Only logging contains dates, but all routers comply.
- **Small Telephone Systems** – NorthwesTel has been hired to check some 60 – 70 small telephone systems. This will be completed by June 30th, 1999.

Notes

1. Suppliers – the main suppliers used by the department in relation to Information Technology are Hewlett Packard (HP), Bay, Compaq, Oracle, Cognos, MB Forster, Novell, Microsoft, Minisoft Inc., NorthwesTel, Toshiba, Xerox, KIRK Computers and Gandalf. In terms of the embedded systems, the departments has contacted most, if not all of the control systems vendors and requested written confirmation regarding their systems and the Y2K problem. The volume of responses received to date is quite extensive and they are available for review but no formalized list has been developed.
2. Datafiles – the department has thousands of datafiles maintained on local PCs and network servers. In many cases these files are one-time creations with virtually no corporate value beyond their creation date or ramifications should they fail on January

1st, 2000. There may be a few small databases or spreadsheet files in use by staff but they are not "critical in nature" so no resources are being used to confirm or deny compliance.

3. The department has reviewed 640 of the embedded systems contained within government-owned buildings, works and facilities where PW&S is directly or indirectly responsible for maintenance. From that list 12 were confirmed to have Year 2000 problems. In all cases the identified problem is correctable and in most cases the fix is a software upgrade available from the system vendor.

4. CAMS – the system code has been reviewed and all Y2K changes have been made, tested and moved to production. The system software has also been upgraded to the Y2K compliant version (Cognos 7.29). In addition, the system test account is run in conjunction with an application called "Time Machine" which replicates Year 2000 activities in testing all existing and new functions.

5. The application code has been modified and is now being tested. There are some other minor in-house applications in use but they will be replaced with Y2K compliant applications and/or software prior to December 31st, 1999.

6. TEBS will be modified to handle electronic billing from NorthwesTel as soon as NWTel advises the department of an electronic billing format. Departmental officials will be discussing the available options with NWTel representatives during the first week in May.

7. The final validation of compliance will be confirmed when the Year 2000 test mainframe becomes available during the e-mail migration from OpenDesk to OpenMail.

8. The OpenDesk corporate e-mail system will be shut-down prior to October 31st, 1999 and is being replaced by OpenMail.

9. RFIS – No changes have been made to date for this system. The department has obtained approval to discontinue the granular program revolving fund and will no longer require a system to capture and report transactions. Should the granular program extend beyond December 31st, 1999 then changes will be required, but they are considered minor and could be implemented in a short time-frame.

Health And Social Services

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Draft Action Plan received
Department's Contingency Plan	Will be completed by August 1st, 1999
List of Suppliers	Complete and current
List of Boards and Agencies	See table below – Some assessments done

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	6	0	0%	August 1st, 1999
Network Operating Systems	2	0	0%	Patches to be applied by June 1st, 1999
Applications	27	0	0%	Upgrade and patches to be applied by June 1st, 1999
Datafiles	25,000	0	0%	August 31st, 1999
Printers	13	13	100%	
Other Peripherals	0	0	N/A	
Personal Computers				
Personal Computers	200	180	90%	Non-compliant systems being replaced by June 1st, 1999
Operating Systems	3	2	67%	Patches to be applied by June 1st, 1999
Applications Software	41	0	0%	Upgrades and patches to be applied by June 1st, 1999
Data files	4,000	0	0%	August 31st, 1999
Printers	6	6	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	N/A	

Additional comments for Health and Social Services:

Compliance testing of desktops and server has been put on hold due to server and other hardware replacements.

Remediation of datafiles will be assigned to summer students and will be completed by August 31st, 1999.

Health and Social Services (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
NHIM – Health Care registration	HP3000	Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
NHIM - Medicare	HP3000	Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
NHIM - THIS	HP3000	Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
NHIM – EBA/ADA	HP3000	Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
NHIM – Medical Travel	HP3000	Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
NHIM - CHMIS	HP3000	Somewhat Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
NHIM – Cancer Registry	HP3000	Somewhat Important	Yes	Complete	Upgrade needed	Tested – Non-critical failure
Vital Statistics	HP3000	Somewhat Important	Yes	Complete	Upgrade needed	Tested – Non-critical failure
Preg	HP3000	Somewhat Important	To be determined	Complete	Upgrade needed	Tested – Non-critical failure
TB Registry System	PC		Yes – Before Year 2000	Complete	Upgrade to Access 97 needed	
Communicable Disease Database	PC		Yes – Before Year 2000		Upgrade to Access 97 needed	
Notifiable Disease Database	PC		Yes – Before Year 2000		Upgrade to Access 97 needed	
Adoption Database	PC		Yes – Before Year 2000		Upgrade to Access 97 needed	
Suicide Reporting Database	PC		Yes – Before Year 2000		Upgrade to Access 97 needed	
GSC	PC		Yes – Pending contract		Replacement before Year 2000	
ORMED	PC		No		Yes – per letter from supplier	
Wellcom	PC				Yes, according to manufacturer	

Source: Department of Health and Social Services

As of: April 28th, 1999

Health and Social Services (continued)

Health Boards – Combined Data for LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	14	0	0%	August 31st, 1999
Network Operating Systems	2	0	0%	August 31st, 1999
Applications	27	0	0%	August 31st, 1999
Datafiles	10,000	0	0%	August 31st, 1999
Printers	36	36	100%	
Other Peripherals	0	0	N/A	
Personal Computers				
Personal Computers	243	0	0%	August 31st, 1999
Operating Systems	3	0	0%	August 31st, 1999
Applications Software	41	0	0%	August 31st, 1999
Data files	25,000	0	0%	August 31st, 1999
Printers	50	50	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	N/A	

The above table includes data for the following Boards:

- Fort Smith Health Center Board
- Hay River Community Health Board
- Inuvik Regional Health and Social Services Board
- Stanton Regional Health Board
- Yellowknife Health and Social Services Board
- Deh Cho Health and Social Services Board
- Dogrib Community Services Board
- Deninu Community Health and Social Services Board
- Lutsel K'e Health and Social Services Board

Resources, Wildlife And Economic Development

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	Complete and current
List of Suppliers	Complete and current – all compliant
List of Boards and Agencies	N/A

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	30	27	90%	June 30th, 1999
Network Operating Systems	1	1	100%	
Applications	1	1	100%	
Datafiles	250,000	225,000	90%	June 30th, 1999
Printers	50	50	100%	
Other Peripherals	0	0	N/A	
Personal Computers				
Personal Computers	430	366	85%	June 30th, 1999
Operating Systems	1	1	100%	
Applications Software	7	7	100%	
Data files	350,677	315,000	90%	June 30th, 1999
Printers	500	500	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	N/A	

Resources, Wildlife and Economic Development (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
Community Profile Database	PC - Access	No Data	No	Complete	Yes	
Economic Indicators database	PC - Access	No Data	No	Complete	Yes	
FOAM	HP3000	Yes	No	Complete	Yes	Complete
LISIN	Oracle 8	Yes	No	Complete	Yes	
LAS	PC	Yes	Yes	Complete	Yes	
TIS	PC	No Data	No	Complete	Yes	
WXTRAN	HP3000	No	No	Complete	Yes	
Business Development Fund	No Data	No Data	No Data	No Data	No Data	

Source: Resources, Wildlife and Economic Development As of: April 23rd, 1999

Education, Culture And Employment

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Briefing note outlining strategy received.
Department's Contingency Plan	In place for Social Assistance, note received from Dept.
List of Suppliers	Complete and current – all compliant
List of Boards and Agencies	Education councils, expected to be compliant with AccPac upgrade and implementation of PeopleSoft

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	15	15	100%	
Network Operating Systems	6	6	100%	
Applications	12	12	100%	
Datafiles	0	0	No data	No data
Printers	35	35	100%	
Other Peripherals	3	0	0%	Not provided
Personal Computers				
Personal Computers	251	251	100%	
Operating Systems	4	4	100%	
Applications Software	12	12	100%	
Data files	0	0	No data	
Printers	3	3	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	N/A	

Education, Culture and Employment (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
EDUCAS			5/1/1999		No	
First Class	Mac		No data		Yes	
SAS			9/1/1999		No	
SMART			7/1/1999		No	
TEACH			9/1/1999		No	
Student Records Tracking			9/1/1999		No	
SLRS			5/1/1999		No	
NCBS			9/1/1999		No	
LMDA			2/1/1999		Yes	In production

Source: Department of Education, Culture and Employment As of: April 28th, 1999

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Complete and current
Department's Contingency Plan	included in strategy
List of Suppliers	Complete and current
List of Boards and Agencies	Identified in strategy

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	17	16	94%	June 1st, 1999
Network Operating Systems	4	4	100%	
Applications	50	45	90%	August 31st, 1999
Datafiles	190,000	184,000	97%	October 31st, 1999
Printers	30	30	100%	
Other Peripherals	3	3	100%	
Personal Computers				
Personal Computers	300	245	82%	October 31st, 1999
Operating Systems	4	3	75%	October 31st, 1999
Applications Software	15	12	80%	October 31st, 1999
Data files	0	0	N/A	
Printers	80	80	100%	
Other Peripherals	12	10	83%	October 31st, 1999
Embedded Systems	0	0	N/A	

Justice (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
CompuTrust	Windows NT	Medium	Yes – completed	Complete	Yes	Ongoing
JIS	HP3000	High	Yes – go live by September, 1999	Yes	Partial	Ongoing
Juror	DOS	Low	Yes – go live by September, 1999	Yes	Partial	Complete
LAIS	HP3000	High	Yes – go live by November, 1999	Complete	Partial	Ongoing
MEP	HP3000	High	Yes – go live by July, 1999	Complete	Partial	Ongoing
CIS	Windows NT	Medium	No	Complete	Yes	N/A (System may be upgraded to an SQL database)
Acts and Revocations	Windows NT	Low	No	Complete	Yes	N/A
Supreme Court Database	DOS	Low	Yes – same as JIS (see above)	N/A	N/A	N/A
OIS	Windows NT	Low	Yes – go live by January, 2000	Complete	Yes	Complete
LDIS	Windows NT	Low	No	Complete	No	Complete (Vendor correcting Y2K problems)
Day Book	Windows NT	Low	No	Complete	Partial	N/A
NTCO Database	Windows NT	Low	No	Complete	Yes	N/A
LR receipt System	Windows NT	Medium	No	Complete	Yes	N/A
Companies Database	DOS	Low	Yes – go live by October, 1999	Complete	No	N/A
Extra-Territorial Database	DOS	Low	Yes – go live by October, 1999	Complete	No	N/A
Writ & GR	No Data	No Data	Yes – go live by October, 1999	Complete	No	N/A
Equinox	Windows 95/98	Medium	No	Complete	No	No (Will be compliant with software update)
Labour Services Database	DOS	Low	Yes – go live by June, 1999	Complete	No	N/A

Source: Department of Justice

As of: April 30th, 1999

NWT Housing Corporation

Strategy and Other Documents

Item	Status and Comments
Department's Year 2000 Strategy	Preliminary report and Action Plan received
Department's Contingency Plan	NWTHC and Local Housing Offices plans due by July 31st, 1999
List of Suppliers	Work underway
List of Boards and Agencies	Complete and current

LAN and Desktop Systems

Item	Units	# Compliant	% Compliant	Target Completion Date
Local Area Networks				
File Servers	10	10	100%	
Network Operating Systems	2	2	100%	
Applications	0	0	No data	August 31st, 1999
Datafiles	0	0	No data	August 31st, 1999
Printers	15	15	100%	
Other Peripherals	0	0	N/A	
Personal Computers				
Personal Computers	100*	100*	100%	
Operating Systems	1	1	100%	
Applications Software	0	0	No data	August 31st, 1999
Data files	0	0	No data	August 31st, 1999
Printers	40	40	100%	
Other Peripherals	0	0	N/A	
Embedded Systems	0	0	In progress	NWTHC has done extensive work in evaluating embedded systems in all communities. Anticipated completion date – June 30th, 1999

*Number of computers does not reflect LHOs. All LHOs will be tested and remediated by August 31st, 1999.

NWT Housing Corporation (continued)

Corporate Systems

System or Database	Platform	Critical	Replacement planned	Assessment	Compliance	Testing
Capital Land and Unit Building Inventory	Dbase / Rbase	No	Yes – will be replaced this fiscal year	Complete	No	Complete
Community Unit Inventory	Dbase	No	Yes – will be re-done or added in to the NWTHC Assets program or a retail program will be chosen	Yes	No	Complete
Household Income Form Program	Being revised into MMOS	N/A	N/A	N/A	N/A	N/A
NWTHC Assets	Dbase	No	Yes – will be re-done or a retail program will be chosen	Yes	No	Complete
MAS	SQL Server with Web browsing	Yes	No	Yes	Yes	Complete
MINI	Part of FIS – no longer required	No	N/A	N/A	N/A	N/A
MMOS	Microsoft Access with Visual Basic	Yes	No	Yes	Yes	Complete
Needs Survey	Dbase	No	Yes – will be replaced by October 31st, 1999	Yes	No	Complete
Project Status	Dbase	No	Yes – will be replaced by October 31st, 1999	Yes	No	Complete
Rent Scale	Microsoft Access with Visual Basic	Yes	No	Yes	Yes	Complete
Repayment Scale	Object Pascal	Yes	No	Yes	Yes	Complete
"Little Richard"	Clipper	Yes	Yes – will be replaced by August 31st, 1999	Yes	No	Complete
EDAP Calculator	Clipper	Yes	Yes – will be replaced by October 31st, 1999	Yes	No	Complete

Source: NWT Housing Corporation

As of: April 28th, 1999

Section

4

Descriptions of Corporate Systems by Department

Financial Management Board Secretariat

System Name:	**Contract Report Database**
Description:	Client server database containing a clone of data from FIS that provides Government Accounting the ability to report in extract and model data with greater flexibility, than FIS itself.
Operating Platform:	Microsoft SQL Server
System Name:	**Corporate GSN**
Description:	System assigns and references the standard Government Services Number, which identifies all individuals and organizations that deal financially with the GNWT.
Operating Platform:	HP 3000
System Name:	**FIS**
Description:	Financial Information System – System for managing financial information flow, processes, accounting transactions.
Operating Platform:	HP 3000
System Name:	**GHRS**
Description:	Government Human Resource System - A complete human resource system with modules for position control, employee information, leave and attendance, and employee competitions
Operating Platform:	HP 3000
System Name:	**HRIS**
Description:	Human Resource Information System - An off-the-shelf payroll package purchased from High Line. In house additions and enhancements have been made to the system including distributed data entry and regionalized cheque/deposit notice printing, a payroll/FIS interface and various printing mechanisms.
Operating Platform:	HP 3000

Financial Management Board Secretariat (continued)

System Name:	**GHRS Database**
Description:	Database under development used to model and report on departmental GHRS data
Operating Platform:	Microsoft Access 97
System Name:	**ECD**
Description:	Employee Cost Database - In house system under development to cost collective agreements, tracks employee costs from GHRS, HRIS, FIS and Boards with separate systems.
Operating Platform:	Microsoft Windows front end with an Oracle RDBMS running on a Windows NT Server
System Name:	**IDEA**
Description:	Off-the-shelf software program to assist Auditors when performing audits.
Operating Platform:	MS-DOS
System Name:	**CAPS**
Description:	Capital Planning System - Developed to assist the FMBS in co-ordinating the government's Capital Plans. Departmental versions of this application are installed.
Operating Platform:	HP 3000
System Name:	**HR Expert**
Description:	Off-the-shelf software from Hay Consultants to track Job Evaluations as they are performed.
Operating Platform:	Standalone Microcomputer based application
System Name:	**Peoplesoft HRMS**
Description:	Off-the-shelf Human Resource System being implemented to replace GHRS and High Line. Provides all Human Resource and payroll functions for the GNWT, including Leave Management, Employment Competitions, Position control etc.
Operating Platform:	HP Unix, Oracle RDBMS

Finance

System Name:	**Claims**
Description:	Insurance Claims Database - Records all claims for or against the GNWT, including names amounts, and description. It is used to analyze claims for risk assessment purposes and to generate management reports
Operating Platform:	Microsoft Access 97
System Name:	**Corporate Income Tax**
Description:	Database which contains information from tax returns of all corporations with establishments in the Northwest Territories, as provided by Revenue Canada. It is used to generate reports on corporate income tax for use by the Minister and senior management.
Operating Platform:	Microsoft Access Database, currently running off a Novell Netware LAN
System Name:	**DMS**
Description:	Debenture Management System - Records GNWT loans to municipalities and the payments thereon; to calculate accrued interest, and to create schedule 8 of the Territorial Accounts at year end
Operating Platform:	Ashton Tate Dbase IV database
System Name:	**DSLP**
Description:	Deferred Salary Leave Plan - Records employee contributions, drawdowns, administration fees paid to plan, to calculate interest accrued on outstanding balances, and to report to members and Revenue Canada.
Operating Platform:	Ashton Tate Dbase IV database

Finance (continued)

System Name:	**FTS**
Description:	Fuel Tax System - Records fuel tax registration and remittance information. Provides management and compliance (late filings etc.) exception reports.
Operating Platform:	Microsoft Access Database, currently running off a Novell Netware LAN
System Name:	**PATA**
Description:	Property Assessment Tax System - Produces property tax notices and posts receivables to FIS.
Operating Platform:	HP 3000
System Name:	**PTS**
Description:	Payroll Tax System - Records payroll tax registration and remittance information. Provides management and compliance (late fillings etc.) exception reports.
Operating Platform:	Client server database using Watcom SQL RDBMS
System Name:	**Payroll Tax Database**
Description:	Contains information from tax returns of all employers with Northwest Territories employees. It is used to generate reports on payroll tax for use by the Minister and senior management.
Operating Platform:	Microsoft Access Database, currently running off a Novell Netware LAN
System Name:	**Personal Income Tax Model**
Description:	Contains information from tax returns of all NWT income tax filers, as provided by Revenue Canada. It is used to generate reports on personal income tax for use by the Minister and senior management.
Operating Platform:	Microsoft Access Database, currently running off a Novell Netware LAN

Finance (continued)

System Name:	**Property Tax Database**
Description:	The database includes assessment data on each property account in the NWT. It is used to generate property tax information for use by the Minister and senior management of the department
Operating Platform:	Microsoft Access Database, currently running off a Novell Netware LAN
System Name:	**Tactical Forecast**
Description:	Reports weekly and annual cash flows; Forecast, Actual, and Projected - either for the full year or in six-week increments (with commentaries). Assists in the projection of interest income and expenditures
Operating Platform:	Lotus 123 Spreadsheet
System Name:	**TMIS B01AC**
Description:	Treasury Management Information System - Used to Record the GNWT and Investment Pool accounts and investments; create control cards, reports, and FIS Journal entries; and to allocate to the Participants the income earned from the Pool's investments
Operating Platform:	Ashton Tate Dbase IV standalone database
System Name:	**T-STAT**
Description:	Territorial Statistics on-line - Provides timely consistent and accurate statistics to territorial government employees. Statistical information is updated frequently (normally each day) to ensure that data is current
Operating Platform:	Fourth Dimension / Webstar database running on a Macintosh hardware platform
System Name:	**TTS**
Description:	Tobacco Tax System - Record tobacco tax registration and remittance information. Generate management and audit / compliance reports.
Operating Platform:	Microsoft Access Database, currently running off a Novell Netware LAN

Finance (continued)

System Name:	**SENTAI**
Description:	Integrated accounting package including general ledger, accounts payable, accounts receivable, inventory, point of sale and purchasing system used by the liquor Control Board.
Operating Platform:	Unix
System Name:	**Credit and Collection Query System**
Description:	FIS Data is downloaded monthly and used for property tax credit collection purposes (school taxes and property taxes for General Taxation Areas)
Operating Platform:	Microsoft Access/Microsoft Excel

Municipal and Community Affairs

System Name:	**Budget Allocation System**
Description:	Taking downloads from FIS through DFIS this program allows us to manage, track and report capital and O&M transactions in a manner suitable to our Department's needs
Operating Platform:	Microcomputer based application
System Name:	**MAPROD**
Description:	Computer assisted mass appraisal system to calculate land and improvement values and to generate property tax assessment values.
Operating Platform:	HP 3000
System Name:	**PROVAL**
Description:	Computer assisted mass appraisal system to calculate land and improvement values and to generate assessment roles.
Operating Platform:	Off-the-shelf PC Based client server system
System Name:	**MMOS**
Description:	Work / purchase order budgeting and tracking system.
Operating Platform:	Visual Basic Application
System Name:	**CFPPROD**
Description:	Capital forecasting production system. This system is used by MACA regional offices to input information with respect to capitol project planning and management in Municipalities..
Operating Platform:	HP 3000
System Name:	**CAPDEP**
Description:	Capital Planning and Development system. Headquarters uses this system to consolodate the departments five-year capital plan and twenty-year capital needs.
Operating Platform:	HP 3000

Municipal and Community Affairs (continued)

System Name:	**Community Land Information System**
Description:	Land information database with word-processing and reporting capabilities built-in.
Operating Platform:	Microsoft Access Database
System Name:	**COFIRES**
Description:	Community Fires – This system is used for reporting and analytical purposes. Each community sends in paper based reports on fires within their communities and this data is entered into the system. The reports are provided on an annual basis. From the data in the system, an annual report is produced for the entire territory on all fires within the territory.
Operating Platform:	Microsoft Access

Transportation

System Name:	**AMMS**
Description:	Airports Maintenance Management System – Management tool used to plan airport maintenance activities
Operating Platform:	dBase IV Database
System Name:	**COMMS and Quicken**
Description:	To record regional expenditures, and revenues on site. Quicken is an off the shelf package, and is in use at some airports, COMS is a Dbase IV database, but have some commitment based accounting capabilities
Operating Platform:	Microcomputer
System Name:	**MANAGAIR**
Description:	Calculates landing fees for all 9 Arctic 'A' airports / handles invoicing & receiving
Operating Platform:	Microsoft Windows based FoxPro database.
System Name:	**HOMMS**
Description:	Highway Operations Maintenance Management System – is not really a system at all. It is a Microsoft Excel spreadsheet used to keep track of road and maintenance activities and costs.
Operating Platform:	Microsoft Excel 97
System Name:	**MVIS**
Description:	Motor Vehicles Information System - Keeps track of vehicle registrations, drivers licenses, driver examinations, convictions, inventories, accidents, medicals, and other motor vehicle related data
Operating Platform:	HP 3000
System Name:	**PASS**
Description:	Used to track & print airport security pass & AVOP documentation
Operating Platform:	Dbase IV Database

Transportation (continued)

System Name:	**AIRS**
Description:	Accidents/Incidents Reporting System is a new system currently under development. AIRS will be used to track incidents that occur at the airports. There are regulations with Transport Canada whereby all incidents must be reported and escalated appropriately.
Operating Platform:	Microsoft Access
System Name:	**DMS**
Description:	Drawing Management System will be used as an electronic library for all drawings used by the Department of Transportation. It is called WorkFlow Manager, and the vendor is Cyco.
Operating Platform:	Microcomputer.
System Name:	**APMS**
Description:	Airport Pavement Management System tracks all activities and costs related to airport paving projects.
Operating Platform:	Microcomputer
System Name:	**Inventory**
Description:	Recently developed inventory database to provide airport managers, auditors, and administrative staff with accurate inventory information.
Operating Platform:	Microsoft Access

Public Works and Services

System Name:	**CAMS**
Description:	Capital Assets Management System – A centralized application used in administering GNWT's inventory of owned and leased capital assets
Operating Platform:	HP 3000
System Name:	**CENDEC**
Description:	Maintenance Management System.
Operating Platform:	Windows based FoxPro Application.
System Name:	**PPD**
Description:	Petroleum Products Division System – This system, based in Rankin Inlet, is used to capture information related to the sale of PPD products, contractor payments, fuel inventories and provides financial reporting requirements.
Operating Platform:	HP 3000
System Name:	**RIMS**
Description:	Records Information System – Off-the-shelf records information system licensed and supported by PSSoftware. The application will be used to administer Departments paper records including retention periods, and ultimate disposition.
Operating Platform:	Client Server based application running on HPUX and Oracle 7.3.
System Name:	**RFIS**
Description:	Revolving Fund Information System – System is used to monitor and report upon monthly transactions relating to PWS granular revolving fund.
Operating Platform:	HP 3000

Public Works and Services (continued)

System Name:	**TEBS**
Description:	Telephone Electronic Billing System – This system maintains a database of telephone charges incurred by the GNWT. Northwest Tel supplies the raw data via magnetic tape, and its primary purpose is to automate and expedite the generation of GNWT departmental telephone bills, and their payment. An electronic interface to FIS has been developed, further expediting the phone bills paying process. A secondary use of the database is to perform usage and statistical analysis of long distance telephone calls, as well as long distance call auditing and abuse identification.
Operating Platform:	HP 3000
System Name:	**AMANDA**
Description:	Permits and Licensing System – PW&S is currently implementing a new licensing and permits system for the Electrical/Mechanical Safety section. The system will be used to track and administer functions electrical, elevator, boiler, and pressure vessel and gas installations in the NWT.
Operating Platform:	Client Server Application running on HPUX and Oracle Ver 7.3
System Name:	**PASSMAN**
Description:	
Operating Platform:	
System Name:	**OpenDesk**
Description:	
Operating Platform:	

Health and Social Services

System Name:	**NHIM – Health Care Registration**
Description:	Captures patient demographics, and is used to record and determine eligibility for NWT Health Care insurance coverage
Operating Platform:	HP 3000
System Name:	**NHIM – Medicare**
Description:	Physician claim system used to pay and monitor claims
Operating Platform:	
System Name:	**NHIM - THIS**
Description:	NWT inpatients/outpatient claims system used to pay and monitor claims
Operating Platform:	
System Name:	**NHIM – EBA/ADA**
Description:	Extended Health Benefits (including pharmacare) and Additional Drug Assistance claims. used to pay and monitor claims
Operating Platform:	
System Name:	**NHIM Medical Travel**
Description:	Medical Travel Claims system used to pay medical travel claims.
Operating Platform:	
System Name:	**NHIM - CHMIS**
Description:	Community Health Services encounter information - diagnosis, treatment and workload.
Operating Platform:	HP 3000

Health and Social Services (continued)

System Name:	**NHIM – Cancer Registry**
Description:	Used to monitor incidents of cancer as legislated by the Disease Registry Act. Allows Department to report Cancer Cases according to legislation
Operating Platform:	HP 3000
System Name:	**Vital Statistics**
Description:	Used to record births, deaths, marriages and adoptions, fulfils legal requirements to register and issue certificates
Operating Platform:	HP 3000
System Name:	**PREG**
Description:	Business and Professional licensing Registry - Used to register doctors and other health professionals, administer licenses and requirements
Operating Platform:	HP 3000
System Name:	**TB Registry System**
Description:	Commercial package to manage client files on TB cases and contacts used for statistical analysis, program co-ordination and notification to national centers.
Operating Platform:	Microcomputer Based
System Name:	**Communicable Disease Database**
Description:	Registry of communicable diseases as required by legislation
Operating Platform:	Microsoft Access
System Name:	**Notifiable Disease Database**
Description:	Registry of notifiable diseases as required by legislation
Operating Platform:	Microsoft Access

Health and Social Services (continued)

System Name:	**Adoption Database**
Description:	Manages private, custom, and departmental adoptions
Operating Platform:	Microsoft Access
System Name:	**Suicide Reporting Database**
Description:	Records and reports suicides by year, region, and demographics.
Operating Platform:	Micro Computer Based
System Name:	**GSC**
Description:	Commercial Software from GSC, which supports Hospital Operations and provides services such as Admission / Discharge/Transfer, Central Patient Index
Operating Platform:	Microcomputer Based
System Name:	**ORMED**
Description:	Commercial Software from ORMED, which supports Board financials including AR, AP, GL, Materiel Management, and in 3 Boards Payroll
Operating Platform:	Microcomputer Based

Health and Social Services (continued)

System Name:	**Computer Ease**
Description:	Payroll system used only by the Stanton Hospital.
Operating Platform:	Microcomputer Based
System Name:	**Wellcom**
Description:	Community health information system used to manage appointments and patient information in community health centers.
Operating Platform:	Microcomputer
System Name:	**Clinical Pharmacist**
Description:	Inventory package for pharmacy department – Used only by the Stanton Hospital.
Operating Platform:	MS-DOS

Resources Wildlife and Economic Development

System Name:	**Community Profile Database**
Description:	The Community Profile Database is delivered by Stats Canada, and is used by tourism.
Operating Platform:	FoxPro Database
System Name:	**Economic Indicators Database**
Description:	The Economic Indicators Database is a database of socio-economic statistical data delivered by Stats Canada,
Operating Platform:	FoxPro Database
System Name:	**FOAM**
Description:	Forest Fire Management - FOAM supports the Territorial Forest Fire Centre in their administration and operational business requirements, including daily cost tracking, aircraft utilization, aircraft chartering, values at risk inventory, a fire chronicle, a lake inventory, an emergency fire fighters registration database, and air tanker mission summaries
Operating Platform:	HP 3000
System Name:	**LISIN**
Description:	Game Licensing System is used to track the issuance of hunting licenses, hunting tags, fishing licenses, and assorted wildlife harvesting permits and certificates for RWED
Operating Platform:	Oracle 8
System Name:	**LAS**
Description:	Loan Accounting System - used by the Business Credit Corporation to amortize business loans, maintain write-offs, bad debts, etc in accordance with the CGA standards. Provides the client with invoicing capability and administrative and management reports.
Operating Platform:	HP 3000

Resources Wildlife and Economic Development (continued)

System Name:	**TIS**
Description:	Tourism Information System – database used to track tourism statistics
Operating Platform:	**FoxPro Database**
System Name:	**WXTRAN**
Description:	This system was developed for the Territorial Forest Fire Centre (TTFC), and is used in conjunction with REMS' WXPLUS weather statistics and modeling software. WXTRAN provides a method by which raw weather data files can be transferred between the regional RWED offices and the TTFC's Headquarters office.
Operating Platform:	HP 3000
System Name:	**Business Development Fund**
Description:	Business Development Fund is a Microsoft Access/SQL-Server used by the Trade and !nvestment division.
Operating Platform:	Microsoft Access/SQL-Server

Education Culture and Employment

System Name:	**EDUCAS**
Description:	Tracks apprentices as they progress through their education
Operating Platform:	HP 3000, Cognos/PowerHouse
System Name:	**First Class**
Description:	Off-the-shelf e-mail and bulletin board system in use by department and various administration offices of schools and boards
Operating Platform:	Client Server with Microsoft Windows based front end.
System Name:	**SAS**
Description:	System supports the delivery of Social Assistance in the NWT. The system maintains client and family data and assessment information according to the NWT Social Assistance Regulations
Operating Platform:	HP 3000
System Name:	**SMART**
Description:	Student post-secondary financial assistance life cycle maintenance – includes application, funding approval disbursement and loan recovery. Payment reconciliation with FIS for bank deposits. Management and statistical reporting available
Operating Platform:	HP 3000
System Name:	**TEACH**
Description:	Tracks NWT teacher's qualifications and current standings. Management reporting is available
Operating Platform:	HP 3000

Education Culture and Employment (continued)

System Name:	**Student Records Tracking**
Description:	Keeps track of students and achievement k-12
Operating Platform:	Client Server based Oracle 8 Application running on Unix
System Name:	**SLRS**
Description:	Student Loan and Recovery System – tracks student loans and the recovery of same
Operating Platform:	HP 3000
System Name:	**NCBS**
Description:	National Child Benefit System is slated to be operational in 1998. It is planned to be a new module of SASS. It will track the Child Tax Benefit and the Working Income Supplement as well as Territorial benefits. There are 675 families that receive benefits under this program
Operating Platform:	Will be Client Server and part of the new Social Assistance System
System Name:	**LMDA**
Description:	LMDA is being developed to support the delivery of Employment Insurance Part 2 (Training) which is being transferred to the Territorial Government from the Federal.
Operating Platform:	Will be part of the new Social Assistance System being developed

Justice

System Name:	**CompuTrust**
Description:	Application for management. of Trust Accounts including cheque generation and account reconciliation
Operating Platform:	Currently being ported to Windows NT 4.0 (TCP/IP), with Universe DB. Vendor—Pacific Western.
System Name:	**JIS**
Description:	Justice Information System - Automation of Court procedures, sworn information, summary ticket information, dispositions, appearances, warrant generation, dockets, fine payment etc. Y2K problems
Operating Platform:	HP 3000
System Name:	**Juror**
Description:	Jury Management Information System - Jury panel generation, cheque printing. Y2K problems
Operating Platform:	Licensed MS-DOS Based Application
System Name:	**LAIS**
Description:	Legal Aid Information System - Lawyer time/fee tracking, Cheque Req. generation, some case mgmt and statistical capability. Y2K problems, although not severe. May be hard to replace not much suitable automation in other jurisdictions or market.
Operating Platform:	HP 3000
System Name:	**MEP**
Description:	Maintenance Enforcement System - Tracking and mgmt. of family orders, debtors, debtees. Cheque generation, direct deposit, statistical reports
Operating Platform:	HP 3000

Justice (continued)

System Name:	**CIS**
Description:	Coroners Information System - Case/contact mgmt and reporting
Operating Platform:	Microsoft Access Database
System Name:	**Acts and Revocations**
Description:	Legislative appointments and revocations.
Operating Platform:	Microsoft Access Database.
System Name:	**Supreme Court Database**
Description:	File tracking system - to be replaced with new Court Information System.
Operating Platform:	Standalone MS-DOS Based PC-File Application.
System Name:	**OIS**
Description:	Offender Information System - Intake and closure - TA's - some case management
Operating Platform:	Microsoft Access Database
System Name:	**LDIS**
Description:	Legal Division Information System - Time tracking system for Legal Counsel - developed in anticipation of GNWT User-say/User-Pay policies.
Operating Platform:	Microsoft Windows based application
System Name:	**CFO/NP Information System**
Description:	Database used to track commissioner of oaths and notary public appointments.
Operating Platform:	Microsoft Access Database.

Justice (continued)

System Name:	**PPSRS**
Description:	Personal Property Registry System - System under development, under-going acceptance phase testing automation of Personal Property Act - registration of personal properties in NWT
Operating Platform:	Visual Basic Application
System Name:	**Day Book**
Description:	Database used to track land titles and deeds - plans - etc.
Operating Platform:	Microsoft Access Database.
System Name:	**NTCO database**
Description:	Database used to track company registrations under Business Corporation Act.
Operating Platform:	Microsoft Access Database.
System Name:	**LR Receipt System**
Description:	Fee management system.
Operating Platform:	Microsoft Access Database.
System Name:	**Companies Database.**
Description:	Database used to track registered companies.
Operating Platform:	MS-DOS , PC File database
System Name:	**Extra-Territorial Database.**
Description:	Database used to track Extra-Territorial registered companies.
Operating Platform:	MS-DOS – PC File database.

Justice (continued)

System Name:	**Writ & GR**
Description:	Database used to track and record writs of execution and general registries
Operating Platform:	Microsoft Access Database

Northwest Territories Housing Corporation

System Name:	**Capital Land and Unit Building Inventory**
Description:	This system maintains capital land and building inventories. Contains all data related to all Housing Corp. Rental housing units and related land status and condition rating.
Operating Platform:	Standalone MS-DOS Based Dbase IV database
System Name:	**Community Unit Inventory**
Description:	Database for maintenance, used for M&I projects, general information for types of units. Tracks condition ratings over a 5-year period, identifying problem units. Standalone database file.
Operating Platform:	Standalone Dbase IV application.
System Name:	**Household Income Form Program**
Description:	Used to maintain client income information
Operating Platform:	Standalone application
System Name:	**NWTHC Assets**
Description:	Tracks all assets of the Corp., including furniture, equipment, computer hardware. Generates NWTHC inventory lists.
Operating Platform:	Standalone MS-DOS based application

Northwest Territories Housing Corporation (continued)

System Name:	**MAS**
Description:	Mortgage Administration Program – Automates the routine administration of mortgages. The system takes all input from the financial mortgage transactions entered into FIS. NWTHC is currently running two copies of the system, one for east data and one for west, in anticipation of Division.
Operating Platform:	Client Server windows application.
System Name:	**MINI**
Description:	Generates cost/weight estimates for miscellaneous construction items without having to resort for the mainframe estimating system. A "master" copy is used to maintain parts and pricing with periodic distribution of updated database files.
Operating Platform:	Standalone MS-DOS based application.
System Name:	**MMOS**
Description:	Maintenance Management Operating System – The successor to MMRS, nearing the end of development cycle. Standalone deployment intended, though there is potential for networking.
Operating Platform:	Standalone 32 bit Windows application (Visual Basic 5 and Microsoft Access).
System Name:	**Needs Survey**
Description:	Designed to objectively determine the housing needs in each community. This system collects information on households including dwelling condition, household incomes, shelter costs and information on residents.
Operating Platform:	Standalone MS-DOS based application

Northwest Territories Housing Corporation (continued)

System Name:	**Project Status**
Description:	System tracks and reports on the current status of all construction projects. Supports remote data export and central import. Sees little, to no use today.
Operating Platform:	Standalone MS-DOS based application
System Name:	**Rent Scale**
Description:	Determines unit rent as defined by CMHC and the current NWTHC rent scale. Allows users to create a new rent scale and determine the rents using this new scale.
Operating Platform:	Standalone MS-DOS based application
System Name:	**Repayment Scale**
Description:	Repayment scale data table. The data table is manually edited each year to allow the printing of current repayment scale information.
Operating Platform:	Standalone MS-DOS based application
System Name:	**"Little Richard"**
Description:	PO/invoice/cheque req. management database tool used by Corporate Services to track house-component purchases (siding, lumber, tubs, tanks, etc.). Sees heavy use by NWTHC Corporate Services.
Operating Platform:	Standalone microcomputer application
System Name:	**EDAP Calculator**
Description:	Expanded Down Payment Assistant Program used to calculate mortgage subsidies
Operating Platform:	Standalone microcomputer based application